

Product datasheet for **RR208464**

Acad10 (NM_001134537) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Acad10 (NM_001134537) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Acad10 |
| Synonyms: | RGD1310159 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide
Sequence:

>RR208464 representing NM_001134537
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGCTTTGATCAGAGGTGGCGACAGTGGCCCTGGATGAGGTTTATGAAAGGAGAGATGACAAATGG
AGCGCTTCTTGAAGAGTTCGGGAGGCTGTGCTCTGAAATCGCAAAGACCTCTGTGCCCGTGAGCTCCTT
TTTCTCTCTGCTGACTAGTGAGCACGTGGCAAAGCAGTCCCGGTGATGACGCAGGCTGTCTCTCAGATC
CGAGCAGAGGGCCTGCAGACTGCAGTCTGACCAACAATTTCTGCTTTCCAACGGGAAAAGCTTTTTGC
CCCTGGACCGGAAGCAGTTTGTGTGGTGGTGGAGTCTGCGTGGAAAGGCGTCTGTAAGCCAGATCCAG
GATATTCCAGCTGTGCCTGCAGCGACTGAACCTGCAGCCCTCACAGGCCATTTTTCTTGATGATCTGGGA
CCAAATGTCAAAGTGGCTGCCAGCCTGGCATTGCACCATTAAAGTTGACAATCCTGAGACGGCAGTGA
AGGAACTGGAAGATCTTCTGGGTTTCCATTGCACGGGGCGTCCCAACTCGACCTGTGAGGAAGAC
CATGGAGATTCCACAAGACGCCCTGGAGACCTACCTGAAGGGCTTGTGGGGACCGCTACACTGGCCCC
ATGAAGCTCCTTCAGTTCGATCACGGACAGTCAAACCAACATACTACATCAGGCTGGCTGACCGTCAGC
TGGTTCTGAGGAAGAAACCGCCAGGCACCTCCTTCCCTCTGCCCATGCCATAGAAGGGAGTTCAGGAT
CATGAAAGCCCTTGGGATGCAGGAGTCCCTGTCCCACTGTTCTTGACCTTTGCAGTGAAGTCAAGCATC
ATCGGCACCCCTTCTACTTGATGGAGTACTGCCCGGCATCATCTACAAAGACCCCTCCCTGCCAGGCT
TGGAGCCACGGCGGGGAAAGCCATATACTGCCATGAACCAAGTCTGTGCAGAATTCACAGTGTGGA
CCTGCAGGCCACGGCCCTGGACGGCTTCGGGAAGCAAGGGGACTATTTCTCGACAGGTGCAAACCTGG
ACCAAGCAGTACGAGCAGCGGAAACCAGCAGCATCCCGCCATGGAGCGGCTTATCCAGTGGCTGCCAC
TGCACCTTCCCCAGCAACAGAGGACCACGGTGGTGCACGGTACTTCAGGCTGGACAACCTGATGTTCCG
TCCTGAAAAGGCGGAGGTGCTCGCTGTCTGGACTGGGAGCTTTCCACCTTAGGGGACCCCTTTGCTGAC
GTGGCCTACAGCTGCCTGGCTCACTACCTGCCGTCCAGCTTTCCCATGCTCAGAGGGTTCAGGGACCAGG
ATGTGAGGGAGCTGGGCATCCCCACCGTGGAGGAGTACTTCAGGATGACTGTCTTAACATGGGCATCCC
ACCCATCGACAAGTGAACCTTCTACATGGCTTTCTTTTTTTCCGAGTGGCTGCAATCCTACAGGGAGTC
TACAAGCGCTCGCTCACAGGTGGCCATGGTGAAGTACAGTTCAAAGATGTGCGTGTGCCTAAGGAGAACA
TACTTCTGGGCCCTGGCCGAGGCTTTGAGATCGCTCAGGGCAGGCTGGGGCCCGGTCGGATTCACTACTG
CATGAGGTTGATCGGGTATTAGAGAGGGCCCTGGAACCTCATGAAGACACGGGTGATGTCCCGCACGGCC
TTCGGGAAGCCCTTGTGGAGCACGGCACCATCCTAGCAGACATTGCCCGTCTCGTGTGGACATCGAGC
AGGCACGTCTGCTGGTACTGAAAGCTGCCACCTCATGGATGTGGCCGAAACAAGGCTGCAGCTTTGGA
GATCGCCATGATTAATAATGGTAGCCCTTCCATGGCTTATCGAGTAATTGACCGCGCTGTTGAGGCTTTT
GGAGCAGCAGGCCTCAGCAGCGACTACCCCTGGCTCAGTTCTTTGGCTGGGCCCGAGCCCTGCGCTTCG
CTGACGGCCCTGATGAGGTACACCAGCTGACGGTGGCTAAGATGGAGCTGAAGGGTCTGCTCCAGGCTGCA
GGAGCCAGCAGCCCCAGAGTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RR208464 representing NM_001134537
 Red=Cloning site Green=Tags(s)

MKALIRGGDSGPWMRFMKGEMTMERFLEEFGRLCSEIAKTSVPVSSFFSLLTSEHVAKQFPVMTQAVSQI
 RA EGLQTAVLTNNFLLSNGKSFLLDRKQFDVVVESCVEGVCKPDPRI FQLCLQRLNLQPSQAI FLDDL G
 PNVKVAASLGIRTIKVDNPETAVKELEDLLGFPLHGGVPNTRPV RKTMEI PQDALETY LKGLLGTRYTGP
 MKLLQFDHGQSNPTY IIRLADRQLVLRKKPPGTLLPSAHAIEREF RIMKALGDAGVPVPTVLDLCS DSSI
 IGTPFYLM EYCPGIIYKDP SLPLGLEPSRREAIYTAMNQVLCRIHSVDLQATGLDGF GKQGDYISRQVQTW
 TKQYRAAETSSIPAMERLIQWLP LHLPPQQRTTVVHGFRLDNL MFRPEKAEVLA VLDWELSTLGD PFD
 VAYSCLAHYLPSSFPMLRGRDQDVRELGIPTVEEYFRMYCLNMGIPPIDNWNFYMAFSFRVAAILQGV
 YKRSLTGGHGEVQFKDVRVPKENILLGPRGF EIAQGR LGPRIHHCMLRIGYSERALEL MKTRVMSRTA
 FGKPLVEHGTILADIARSVDIEQARLLVLKAAHLM DVAGNKA AAEIAMI KMVAPSMAYRVIDRAVQAF
 GAAGLSSDYPLAQFFGWARALRFADGPDEVHQLTVAKMELKGRSRLQEPAAPRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

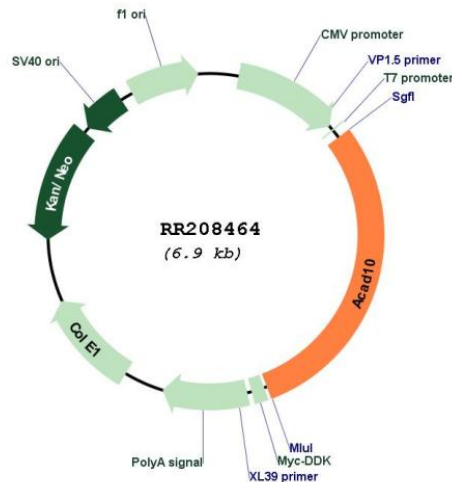
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134537

ORF Size: 2052 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001134537.1](#), [NP_001128009.1](#)

RefSeq Size: 2589 bp

RefSeq ORF: 2055 bp
Locus ID: 304500
Cytogenetics: 12q16
MW: 76.5 kDa